

## WHAT IS CLAIMED IS:

1           1.    For use in a communications system, a system for  
2    extending the range of a wireless headset comprising:  
3           a phone;  
4           a wireless headset associated with said phone,  
5    said wireless headset capable of communicating directly  
6    with said phone utilizing a wireless communications  
7    protocol having a distance limit;  
8           a communications system; and  
9           a plurality of access points each coupled to said  
10   communications system at one of a plurality of dispersed  
11   locations, each access point capable of selectively  
12   emulating said phone utilizing said communic-  
13   ations protocol,  
14   emulating said headset utilizing said communic-  
15   ations protocol  
16   communicating with said phone within said finite  
17   distance from said phone utilizing said communications  
18   protocol,  
19   communicating with said headset within said  
20   finite distance from said headset utilizing said  
21   communications protocol, and  
22   interfacing with said communications system,

23 wherein said access points are capable of selectively  
24 establishing a communications path within said communic-  
25 ations system between an access point emulating said phone  
26 and an access point emulating said headset, if necessary,  
27 to provide communications between said phone and said  
28 headset when said phone and said headset are separated by a  
29 distance greater than said distance limit.

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U.S. PATENT OFFICE